

MAGNITSKIY, K.P., doktor sel'skokhozyaystvennykh nauk

Problem of using magnesium in agriculture in the U. S. S. R.  
Zemledelie 24 no.7:55-60 J1 '62. (MIRA 15:12)

1. Nauchnyy institut po udobreniyam i insektofungisidam  
imeni prof. Ya.V. Samoylova.  
(Plants, Effect of magnesium on)

MAGNITSKIY, Konstantin-Pavlovich, doktor sel'khoz. nauk;  
STAROSEL'SKIY, Ya.Yu., kand. biol. nauk; LEONOVA, T.S.,  
red.; NAZAROVA, A.S., tekhn. red.

[Chemistry in the service of agriculture; new fertilizers and  
herbicides] Khimiia idet na polia; novye udobrenia i gerbi-  
tsidy. Moskva, Izd-vo "Znanie," 1962. 47 p. (Novoe v zhizni,  
nauke, tekhnike. V Serii: Sel'skoe khoziaistvo, no.12)  
(MIRA 15:7)

(Fertilizers and manures) (Herbicides)

MAGNITSKIY, K.P.

Talking to a plant. IUn. nat. no.7:34-35 J1 '61. (MIRA 14:7)  
(Plants---Chemical analysis)

MAGNITSKIY, K. <sup>P.</sup> doktor sel'skokhozyaystvennykh nauk

Prevent and eliminate nitrogen and phosphorus deficiency in plants.  
Nauka i pered. op v sel'khoz. 9 no.6:46-50 Je '59.

(MIRA 12:9)

1. Nauchnyy institut po udobreniyam i insektofungisidam.  
(Deficiency diseases in plants) (Plants, Effect of nitrogen on)  
(Plants, Effect of phosphorus on)

MAGNITSKIY, Konstantin Pavlovich, doktor sel'skokhozyaystvennykh nauk;  
SHUGAROV, Yu.A., starshiy nauchnyy sotrud.; MALKOV, V.K., nauchnyy  
sotrud.; prinalni uchastiye: ZUYEVA, N.P., nauchnyy sotrud.;  
GOSUDAREVA, A.G., laborant; FEDORENKO, M.G., laborant; KAVUN, P.K.,  
red.; BACHURINA, A.M., tekhn.red.; PROKOP'YEVA, L.N., tekhn.red.

[New methods of plant and soil analysis] Novye metody analiza  
rasteni i pochv. Moskva, Gos. izd-vo sel'khoz.lit-ry, 1959.  
239 p. (MIRA 14:5)  
(Soils--Analysis) (Botanical research)

MAGNITSKIY, K.<sup>P</sup>, doktor sel'skokhozyaystvennykh nauk

Effect of soil acidity on the growth and development of plants.  
Nauka i pered.op. v sel'khoz. 8 no.11:49-51 N '58. (MIRA 11:12)

1. Nauchnyy institut po udobreniyam i insektofungitsidam.  
(Growth (Plants)) (Soil acidity)

MAGNIBSKIY, K., doktor sel'skokhozyaystvennykh nauk

Microelements in plant nutrition. Nauka i pered. op. v sel'khoz.  
8 no.9:32-34 S '58. (MIRA 11:10)

1. Nauchnyy institut po udobreniyam i insektofungisidam.  
(Plants--Nutrition) (Trace elements)

*MAGNITSKIY, K.*  
MAGNITSKIY, K., doktor sel'skokhozyaystvennykh nauk

Boron and iron in the nutrition of plants. Nauka i pered. op.  
v sel'khoz. 8 no.1:49-52 Ja '58. (MIRA 11:2)

1. Nauchnyy institut po udobreniyam in insektofungisida.  
(Plants, Effect of boron on)  
(Plants, Effect of iron on)

MAGNITSKIY, Konstantin Pavlovich, doktor sel'skokhozyaystvennykh nauk;  
KATSNEL'SON, S.M., red.; STRELETSKIY, I.A., tekhn. red.

[Field control of plant nutrition] Polevoi kontrol' pitania  
rastenii. Moskva, Izd-vo "Znanie," 1958. 38 p. (Vsesoluznoe  
obshchestvo po rasprostraneniю politicheskikh i nauchnykh znanii.  
Ser.5, no.15). (MIRA 11:7)

(Plants--Nutrition)

Country : USSR  
Category: Cultivated Plants. Fruits. Berries.

M

Abs Jour: RZhBiol., No 22, 1958, No 100438

manure lowers the doses of magnesium fertilizers. -- Ue. V. Kolesnikov

Card : 4/4

M-152

Country : USSR  
Category: Cultivated Plants. Fruits. Berries.

M

Abs Jour: RZhBiol., No 22, 1958, No 100438

blossoming, with intervals of 10 days. To supply plants with Mg through the soil, one of the following fertilizers can be used: 2-4 centners/ha of potassium-magnesium, 2-4 of MgSO<sub>4</sub>, 4-10 of unslaked dolomitic flour or 5-10 centners/ha of ashes. Fertilizers should be applied in summer when magnesium deficiency in plants was noted, or in fall during the spading of the orchard over. In starting an orchard on acid soils, the soil has to be limed with dolomitic flour at the rate of 10-40 centners/ha. Application of

Card : 3/4

Country : USSR  
Category: Cultivated Plants. Fruits. Berries.

M

Abs Jour: RZhBiol., No 22, 1958, No 100438

ensues. With the liming of acid soils with the customary doses of lime, Ca can, conversely, improve the magnesium nutrition of the plants. In Moscow oblast', the symptoms usually appear in August on the leaves of fruit spurs and one-year shoots. The leaves become yellow, spots appear, the green coloration remains at the base of the leaf near the middle vein. The correctness of the diagnosis of magnesium deficiency is checked by top dressing with magnesium salts and a chemical analysis of the leaves. Supplementary feeding of the plants by top dressing with 2% solution of  $MgSO_4$  is effective. This is carried out 2-4 times, after

Card : 2/4

M-151

Country : USSR M  
Category: Cultivated Plants. Fruits. Berries.  
Abs Jour: RZhBiol., No 22, 1958, No100438  
Author : Magnitskiy, K.P.  
Inst : -  
Title : Magnesium Deficiency in Fruit and Berry Cultures.  
Orig Pub: Nauka i peredov. opyt v s. kh., 1957,<sup>7</sup> No 8,  
46-47

Abstract: Magnesium deficiency on light soils is explained by a low content of available Mg in the soil, and on loamy and clayey soils it is produced by a profuse application of K. When the amount of metabolic Ca exceeds the content of metabolic Mg by more than 10 times, magnesium deficiency

Card : 1/4

*See. Inst. for soil chemistry and insect-fungus diseases*

USSR / Soil Science. Mineral Fertilizers. J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48643

plants). The critical starvation levels of the elements contained in plant fluid, expressed as mg./kg., are as follows: N 0-100, P for corn 10-20, and for garden beets 25, K 600-1500, Mg 30-60; excess Cl for potatoes is 5 grams. Experimental data is cited on the influence of fertilizers on the element content in plant fluid. -- N. N. Sokolov

Card 2/2

USSR / Soil Science. Mineral Fertilizers.

J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48643

Author : Magnitskiy, K. P.

Inst : Not given

Title : Control of Plant Nutrition in Field Condition

Orig Pub : Udobreniye i urozhay, 1957, No 8, 29-38

Abstract : For purposes of determining plant requirements of N, P, K, Mg and the harmful excess of Cl samples of cellular fluid were taken for chemical analysis with the aid of a field laboratory proposed by the author according to special instructions, from the leaf petiole (potato, garden beet, cabbage, cucumbers, tomatoes and others), from the veins of leaves of the lower or medium tiers (corn, sorghum), and from the leaf extracts (oats, wheat, and berry fruit

Card 1/2

USSR/Soil Science - Mineral Fertilizers.

J

Abs Jour : Ref Zhur Biol., No 22, 1958, 100083

of the plants by an 0.2-0.5% solution of manganese sulphate in the amount of 500-1000 l/ha. The fertilization expenditure is 1-5 kg/ha. For the dusting of fruit trees before burgeoning, the solution's concentration should be increased to 5%. It is appropriate to use a mixture of 500 l of the Bordeaux liquid with 1 kg of manganese sulphate. Mobility of the soil manganese may be increased by the introduction of acidifying substances: sulphur, ammonium sulphate, etc. -- B.A. Rudenko

Card 2/2

USSR/Soil Science - Mineral Fertilizers.

J

Abs Jour : Ref Zhur Biol., No 22, 1958, 100083

Author : Magnitskiy, K.P. *(Dr. Agr. Sci.)*

Inst : ~~Scientific Institute of Fertilizers and Insecticides and Fungicides~~

Title : The Manganese Hunger of Plants.

Orig Pub : Nauka i peredov, opyt v s.-kh., 1957,<sup>7</sup> No 1, 45-47

Abstract : Description of the symptoms of manganese hunger, discovered in the investigations by the Scientific Institute of Fertilizers and of Insecticides and Fungicides on the fields of the state farm "Lyuberets Irrigation Fields in 1955, while experimenting with oats, barley, buckwheat, beans, sugar and fodder beets, mustard, sunflower, cabbage, radishes, potatoes and apple trees. For the prevention of manganese hunger, it is recommended to introduce into sandy and loamy soils 500-100 kg/ha and into peat soils - 500 kg/ha of manganese sulphate. Fine results were obtained by the use of outside-root feeding

Card 1/2

- 65 -

*Nauchnyy institut po udobreniyam i insektofungitsidam*

MAGNITSKIY, Konstantin Pavlovich, doktor sel'skokhozyaystvennykh nauk;  
KATSELI'SON, S.M., redaktor; ATRUSHCHENKO, L.Ye., tekhnicheskiy  
redaktor

[How to determine the fertilizer requirements of plants from their  
external appearance] Kak opredelit' po vneshnemu vidu rastenii ikh  
potrebnost' v udobreniyakh. Moskva, Izd-vo "Znanie," 1957. 38 p.  
(Vsesoyuznoe obshchestvo po rasprostraneniю politicheskikh i  
nauchnykh znaniy. Ser.5, nos.13/14) (MIRA 10:7)  
(Fertilizers and manures)

MAGNITSKIY, K.P., doktor sel'skokhozyaystvennykh nauk.

Symptoms of magnesium deficiency in plants. Nauka i pered. op. v  
sel'khoz. no.9:17-18 S '56. (MLRA 9:10)  
(Deficiency diseases in plants) (Plants, Effect of magnesium on)

Country : USSR  
Category : Soil Science. Fertilizers. General. J  
Abs Jour : RZhBiol., No 6, 1959, No 24642  
Author : Magnitskiy, K. P.  
Inst : ~~USSR Academy of Sciences, Institute of Soil Science~~  
Title : Evaluation of Plant Nutrition According to  
Their External Appearance.  
Orig Pub : Priroda, 1956, No. 7, 61-64

Abstract : Plant indicators may be utilized to expose those regions and districts that suffer from a deficiency or an excess of macro- and micro-elements. As indicators of N deficiency may serve white-head cabbage and cauliflower; of P deficiency - turnip (*Brassica campestris rapifera*) and the turnip kind (*Brassica napus rapifera*); of K deficiency - potato, beet, bean, alfalfa; of Mg deficiency - potato,

Card : 1/2

MAGNITSKIY, Konstantin Pavlovich.

Scientific Inst of Fertilizers and Insect Fungicides of the Min of Chemical Industry USSR. Academic degree of Doctor of Agricultural Sciences, based on his defense, 19 January 1955, in the Council of Soil Inst imeni Dokuchayev, Acad Sci USSR, of his dissertation entitled: "Application of Magnesium Fertilizers on Sandy and Sandy-Clayey Sod-poizolian Soils."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 15, 25 June 55, 'Byulleten' MVO SSSR, No. 15, Aug 56, Moscow, pp. 5-24, Uncl. JPRS/NY-537

MILGROMITSKY, K. P.

Evaluating the nutrient level of the soil by plant analysis.  
K. P. Milgromitskiy. *Pochvovedenie* 1954, No. 7, 113-25. A  
theoretical discussion on the application of plant analysis  
to det. nutrient status and data on tests made on potatoes.  
J. S. Joffe

MAGNITSKIY, K. P.

15135\* (Plant Nutrient Control.) Kontrol' za yuzhivaniya rastenii. K. P. Magnitskiy. Dostizheniya Nauki i Peredelaniya Opita o Sel'skom Khozjastve, 1954, no. 7, July, p. 21-22. Analysis of plant sap during growth stages to determine content of N, P, Mg, etc. Table, photographs.

USSR

The influence of various forms of phosphorus and potassium fertilizer on the yield of alfalfa in light and podzolized soils. K. P. Magnitskii. *Zemledelia*, No. 12, 53-6 (1964).—Of the following sources of P: acid phosphate, ammophos, precipitated phosphate, ground rock phosphate, and Thomas slag, the latter gave the highest yield, followed by pptd. phosphate and rock phosphate. In mixtures of grasses and alfalfa the quantity of the latter in the hay was highest with the Thomas slag. As to sources of K there was little difference in yield the first year, but the following year the manure salts proved to be superior. Their effect is attributed to the Mg and Na carried by them.

MAGNITSKIY, K.P.; MALKOV, V.K.

Phosphorus

Quick method for determining phosphorus in plants. Sov. agron. 10 no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952, ~~1953~~, Unclassified.

MAGNITSKIY, K. P.

Potatoes

Determination of nitrogen and potassium requirements of potatoes. Sad i og  
no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952, Uncl.

1. MAGNITSKIY, K. P.
2. USSR (600)
4. Agriculture
7. Magnesium fertilizers. Moskva, Sel'khozgiz, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unclassified.

CA MAGNITSKIY, K.P. 15

The influence of magnesium fertilization on light and  
acidified soils. K. P. Magnitskiy. *Sov. Agron.* 9,  
No. 2, 35-42 (1951). Report on effectiveness of Mg car-  
riers on grain crops, vegetables, industrial crops, grasses,  
and legumes. It is pointed out that dolomite, serpentine, and  
some of the maunite salts carrying Mg are excellent sources  
of raw material for use. U.S. Info.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

100 AND 4TH LETTERS

LIST AND NO ORDERS

PROCESSES AND PROPERTIES INDEX

**MAG-NITSKIY, K.P.**

31

**12173\* Action of Magnesium Fertilizers on Light Sod-Podzol Soils.** (In Russian.) K. P. Magnitskiy, *Sovetskaya Agromeniya* (Soviet Agronomy), v. 8, Feb. 1951, p. 35-47.

Experiments performed in recent years on action of free Mg in sandy-loam and sandy soils of the sod-podzol zone are described. Experimental data are tabulated on role of Mg in increasing crop yield and improving quality of potatoes, sugar beets, clover, alfalfa, rye, millet, and other crops. Different types of Mg fertilizers were studied, optimum combinations are discussed.

ASAC-51A METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

100 AND 4TH LETTERS

1774 MAGNITSKIY, K.P.

MAGNITSKIY (K. P.). Недостаток магния у озимой Ржи на подзолистой супесчаной почве. [Magnesium deficiency in winter Rye on sandy-clay podsol soil.] - Агробиология [Agrobiologia], 1950, 1, pp. 96-99, 1950.

During fertilizer experiments from 1946 to 1948 on the Lyuberetz experimental plot of the Scientific Research Institute, U.S.S.R., cultivated crops suffered from magnesium deficiency on sandy-clay podsol (4 to 18 mg. magnesium per kg. soil). The symptoms on winter rye [R.A.M., 17, p. 660] developed 15 to 40 days after the appearance of the seedlings in the autumn, and in the spring many plants died.

In 1947-8 rye was sown after potatoes on a plot (pH 4.7) where the yields of various crops had been very low for several years in spite of mineral fertilizers. In plots without additions of magnesium sulphate (80 kg. magnesium oxide per ha.) rye plants developed marked deficiency symptoms, while those which received magnesium sulphate in the autumn were normal. The yield from untreated plots was only 2 zentner; 1 zentner = 100 kg.) per ha.; for spring-treated it was 6.3 z., and autumn-treated 13.4 z. In treated plots the rye plants ripened 10 to 15 days earlier than in untreated.

The grain yields in 1948 from plots receiving complete fertilizers plus (1) chalk, (2) dolomite, (3) chalk plus magnesium sulphate (30 kg. per ha.), (4) lime, and (5) lime plus magnesium sulphate were, respectively, 3.6, 14.5, 14.0, 6.9, and 13.6 zentner; straw yields were 15.1, 28.6, 32, 19.6, and 32.1. Potato, sugar beet, clover, and lucerne were even more exacting in their magnesium demands, and magnesium applications resulted in even higher yield increases.

13  
CA MAGNITSKIY, K.P.

The influence of soil reaction on the leaching of magnesium. K. P. Magnitskii and V. K. Malkov. *Pochvovedenie* (Pedology) 1949, 597-602. - As the acidity of the soil increases more Mg is lost. J. S. Joffe

MAGNITSKIY, K.P., doktor sel'skokhoz. nauk; DOSFERKHOV, B.A., kand.  
sel'skokhoz, nauk, dotsent; VASIL'YEVA, D.V., kand. sel'skokhoz.  
nauk; GOSUDAREVA, A.G., nauchnyy sotrudnik; BELYAKOVA, N.G.,  
nauchnyy sotrudnik

Diagnosis of the conditions of plant nutrition in a continuous  
field experiment. Izv. TSKHA no.6:151-161 '63. (MIRA 17:8)

Magnitskiy, I.

USSR/ Electronics - Polar expedition

Card 1/1      Pub. 89 - 4/30

Authors      : Magnitskiy, I.; Rekach, A.; and Romanov, P.

Title         : Radio connections on the Antarctic expedition

Periodical   : Radio 1, 7 - 8, Jan 56

Abstract     : An account is given of the plans for radio connections for the Antarctic expedition, which will require transmission and reception between Moscow and the Antarctic base 14,000 kilometers apart and connections among various bases on the continent of Antarctica itself. Brief description of short-wave apparatus is given. Map; illustration.

Institution   : .....

Submitted    : .....

GUKASYAN, A.G., professor (Moskva); MAGNITSKIY, G.S. (Moskva)

So-called third circulation. Terap.arkh. 28 no.5:69-72 '56.  
(HEART, blood supply, (MLRA 9:10)  
(Rus))

MAGNITSKIY, G. S.

"The Problem of Certain Changes in the Blood System During Infectious Hepatitis and Cirrhosis of the Liver." Cand Med Sci, First Moscow Order of Lenin Medical Inst, Moscow, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)  
SO: Sum. No. 556, 24 Jun 55

MAGNITSKIY, G. S.

"Changes in the Blood Circulation During Botkin's Disease and Cirrhosis of the Liver." Gand Med Sci, First Moscow Order of Lenin Medical Inst, 13 Dec 54. (VM, 23 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

ЛАЗНИЦКИЙ В. В.

1/10. К вопросу о некоторых элементах системы теории и практики  
Исторический факультет. М., 1954. 118. 20см. (И-1 Моск. Центра Ленинград. ИИ-1  
100 ЛЭ. Б. ТБ.-54-51523)

Ю: Красная летопись, Vol. 1, 1955

MAGNITSKIY, A.V.

Practices of the Ural Chemical Machinery Plant. Stroil. rev. 11  
no.5:21-22 My '65. (MIRA 18:9)

1. Starshly inzhener oddela organizatsii truda Ural'skogo zavoda  
khimicheskogo mashinostroyeniya.

MAGNITSKIY, A.V.

Public institute of progressive experience at the Ural Chemical  
Machinery Plant. Biol.tekh.-ekon.inform.(os.nauch.-issl.)nat.nauch.  
i tekh.inform. 17 no.7:85-86 JI '64. (MIRA 17:90)

SERB, Petr Fedorovich; GOLUBEVA, K.A., inzh., retsenzent; MASLIY, K.Ya.,  
zuborez, retsenzent; ZHUKOV, P.A., kand.ekon.nauk, red.;  
BEELYAKOV, M.N., red.; MAGNITSKIY, A.V., red.; ROZENBERG, I.A.,  
kand.ekon.nauk, red.; SMIRNITSKIY, Ye.K., kand.ekon.nauk, red.;  
SUSTAVOV, M.I., inzh., red.; DUGINA, N.A., tekhn.red.

[Organizational and technical plan in the workshop] Orgtekhplan  
na rabochem meste. Moskva, Mashgiz, 1960. 30 p. (Seria "Osnovy  
konkretnoi ekonomiki," no.5). (MIRA 14:4)  
(Sverdlovsk--Machinery industry)

MAGNITSKIY, A. M.  
5921

Parabiotic nature of central nervous inhibition and the doctrines of Pavlov  
Progress in Contemporary Biology 1948, 26/3 (875-892) Graphs 2

Explanation of the process of Pavlov's internal inhibition in the cerebral  
cortex on the basis of Vredenski's parabiosis.

Szabuniewicz - Cracow

SO: EXCERPTA MEDICA, Vol. II, No. 11, Sec. II, Nov. 1949

MAGNITSKIY, A.A.

Economic efficiency of the comprehensive use of new techniques  
and equipment. Tekhn. prom. Zh. no. 31, 3, Apr 1964.

(MIRA 17:13)

1. Rukovoditsel' laboratorii ekonomicheskoy effektivnosti novoy  
tekhniki. Tsentral'nogo nauchno-issledovatel'skogo instituta  
khlopkotobumazhnoy promyshlennosti (TsNKhN).

SHABANOV, B.I.; TURCHANINOV, A.A.; MAGNITSKIY, A.A., starshiy nauchnyy sotrudnik; MIRSHNICHENKO, T.K.; DAVYDOVA, Ye.D.; MUKHINA, A.G., prepodavatel'

Communist labor paves the way to a bright future. Tekst prom.  
24 no.2:1-10 F '64. (MIRA 17:3)

1. Nachal'nik Upravleniya tekstil'noy promyshlennosti Soveta narodnogo khozyaystva Moskovskogo gorodskogo ekonomicheskogo rayona (for Shabanov).
2. Rukovoditel' laboratorii ekonomiki i organizatsii truda Tsentral'nogo nauchno-issledovatel'skogo instituta sherstyanoy promyshlennosti (TsNII Shersti) (for Turchaninov).
3. Tsentral'nyy nauchno-issledovatel'skiy institut khlopatobumazhnoy promyshlennosti (TsNIKhBI) (for Magnitskiy).
4. Nachal'nik pryadil'nogo tsekha kommunisticheskogo truda kombinata "Trekhgornaya manufaktura" imeni Dzerzhinskogo (for Miroshnichenko).
5. Rukovoditel' brigady kommunisticheskogo truda Moskovskoy kamvol'noy ~~pyat'letney~~ fabriki imeni Kalinina (for Davydova).
6. Moskovskiy finansovyy institut (for Mukhina).

TERYUSHNOV, Aleksandr Vasil'yevich, prof.; ARISTOV, P.I., retsenzent;  
MAGNITSKIY, A.A., spets.red.; KOPELEVICH, Ye.I., red.; SOKOLOVA,  
V.Ye., red.; VINOGRADOVA, G.A., tekhn. red.

[Control of yarn breakage in the cotton spinning industry]  
Bor'ba s obryvnost'iu v khlopkopriadil'nom proizvodstve.  
Moskva, Gos. izd-vo "Nostekhhizdat," 1962. 136 p.  
(MIRA 15:4)

(Cotton spinning)

MAGNITSKIY, A.A., kand.tekhn,nauk

Economic effectiveness of adopting the new lint removing  
devices. Tekst. prom. 20 no. 11;11-13 N '60. (MIRA 13:12)  
(Spining machinery)

MAGNITSKIY, Aleksandr Aleksandrovich, kand.tekhn.nauk; TERYUSHNOV, A.V.,  
retsensent; SEGAL', N.M., red.; KNAKNIN, M.T., tekhn.red.

[Effect of new techniques on labor productivity and capital  
assets in the cotton spinning industry] Vlianie elementov  
novoi tekhniki na proizvoditel'nost' truda i osnovnye fondy  
v khlopkopriadil'nom proizvodstve. Moskva, Gos.nauchno-  
tekhn.izd-vo lit-ry po legkoi promyshl., 1959. 180 p.

(MIRA 13:1)

(Cotton manufacture)

VARTANYAN, A.B.; PUSHKINA, I.P.; MAGNITSKIY, A.A., retsenzent;  
ORLOVA, L.A., red.; ENAKNIN, M.T., tekhn.red.

[Organizing the labor of workers operating sliver lapping  
machines in cotton spinning] Organizatsiia truda rabotnits,  
obsluzhivaiushchikh lentsoedinitel'nye mashiny khlopko-  
priadil'nogo proizvodstva. Moskva, Gos.nauchno-tekhn.izd-vo  
lit-ry po legkoi promyshl., 1959. 26 p. (MIRA 12:6)  
(Cotton spinning)

MAGNITSKIY, A.A., Cand Tech Sci -- (diss) "Study of the  
effect of the elements of a new technique <sup>of labor</sup> on productivity  
of labor and use of basic stocks in the cotton spinning  
<sup>industry.</sup>" Mos, 1958, 22 p. (Min of Higher Education USSR.  
Mos Textile Inst) 170 copies Bibliography at end of text.  
(KL, 42-58, 116-116)

MAGNITSKIY, A.A.

~~Enlarging yarn packages. Tekst. prom. 17 no.3:24-30 Mr '57.~~  
(Cotton spinning) (MLRA 10:4)

**MAGNITSKIY, A.A.**

~~Remarks concerning norms. Tekst.prom. 15 no.12:9-11 D '55.~~  
(MLRA 9:3)

(Spinning machinery)

MAGNITSKIY, A.A.

Effect of a pneumatic sliver guide on a spinner's workload.  
Tekst.prom.15 no.11:11-13 N '55. (MLRA 9:1)

(Spinning machinery)

MAGNITSKIY, Aleksandr Aleksandrovich; LIOZNOV, A.G., redaktor; NEKRASOVA, O.I., tekhnicheskii redaktor.

[Organizing the work of assistant foreman in cotton spinning plants]  
Organizatsiia truda pomoshchnikov masterov priadil'nykh tsekhov  
khlopkopriadil'nykh fabrik. Pod red. A.V.Teriusheva. Moskva, Gos.  
nauchno-tekhn. izd-vo Ministerstva promyshlennykh tovarov shirokogo  
potrebleniia SSSR, 1954. 154 p. (MLBA 7:11)  
(Cotton spinning)

MAGNITSKIY, H.-D.

~~MAGNITSKIY, A.A.~~: TERYUSHNOV, A.V., redaktor; LIOZNOV, A.G., redaktor;  
EL'KINA, E.M., tekhnicheskiy redaktor.

[Work organization for the assistant foreman in the sliver-rove shop of a cotton spinning factory.] Organizatsiia truda pomoshchnika мастера lentochno-rovnichnogo tsekha khlopkopriadil'noi fabriki. Pod red. A.V. Teriushnova. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva promyshlennykh tovarov shirokogo potrebleniia (MIRA 8:3)  
SSSR. 1954. 101 p.

(Cotton spinning)

MAGNITSKIY, A. A.

Spinning Machiner - Maintenance and Repair

"Best methods in precautionary inspection of spinning machines."  
Tekst. prom.12 no. 6, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS. Library of Congress, October, 1956. UNCLASSIFIED.

MAGNITSKIY, A. A.

Magnitskiy, A. A. - "Winding No. 34 wool yarn for mechanical looms", Nauch.-issled. trudy (Tsentr. nauch.-issled. in-t kalopchatokumazn. prom-sti), Issue 2, 1947, p. 11-26.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

L 32161-66

ACC NR: AP6010065

zontal acceleration,  $n$  is the natural frequency of the pendulum gravimeter,  $\lambda$  is the damping characteristic,  $l$  is the reduced pendulum length and  $\dot{\gamma}$  is the angular velocity of the support along the  $Z$  axis. A solution of this equation was derived of the form

$$\epsilon = \epsilon_0 + \delta\epsilon_0,$$

where  $\epsilon_0$  is the solution of the 'abridged' equation:

$$2\lambda\dot{\epsilon}_0 + \left( n^2 - \frac{\ddot{X}}{l} + \dot{\gamma}^2 \right) \epsilon_0 = + \frac{\ddot{g}_r}{l} + \frac{\ddot{Z}}{l}.$$

The solution of  $\epsilon_0$  was an expanded integral equation while that of  $\epsilon$  was an infinite trigonometric series. The magnitude of the cross-coupling effect was estimated by inserting numerical values for the above parameters and variables; for  $\ddot{X} \approx \ddot{Z} \approx 50$  gal this effect reached 50 mg1 and higher. The orbital acceleration was calculated at 125 mg1 for  $\ddot{X}=\ddot{Z}=50$  gal and  $\omega=1$  sec<sup>-1</sup>. Formulas were also derived for the changes in gravitational field with time using the same parameters. Numerically, this was calculated to be 1.4 mg1 for  $\partial g/\partial x = 10$  mg1/mile,  $n^2=100$  sec<sup>-2</sup> and  $2\lambda=5000$  sec<sup>-1</sup>. Orig. art. has: 1 table, 63 formulas.

SUB CODE: 08/

SUBM DATE: 19Feb65/

ORIG REF: 003/

OTH REF: 001

Card 2/2 *AS*

L. 32161-66 EWT(1) GW

ACC NR: AP6010065

(N)

SOURCE CODE: UR/0387/66/000/003/0063/0073

AUTHOR: Kuzivanov, V. A.; Kogan, M. G.; Magnitskaya, Ye. I.

37  
B

ORG: Institute of Physics of the Earth, Academy of Sciences, SSSR (Institut fiziki Zemli, Akademii nauk SSSR)

TITLE: The effect of horizontal and vertical acceleration on the readings of a strongly damped gravimeter

SOURCE: AN SSSR. Izvestiya. Fizika Zemli, no. 3, 1966, 63-73

TOPIC TAGS: gyrostabilized platform, ~~accelerometer~~, gravimeter, ACCELERATION EFFECT

ABSTRACT: A study was made of the effect of horizontal and vertical accelerations on the readings of a pendulum-type gravity meter, mounted on an ideal gyrostabilized platform in an ideal universal joint. The resulting cross-coupling effect was analyzed theoretically, the parameters being related by the differential equation:

$$\ddot{\epsilon} + 2\lambda\dot{\epsilon} + \left(n^2 + \dot{\gamma}^2 - \frac{\ddot{X}}{l}\right)\epsilon = +\frac{g_r}{l} + \frac{\ddot{Z}}{l}$$

where  $\epsilon$  is the angle of deviation of the pendulum from the horizontal,  $\ddot{X}$  is the hori-

UDC: 550.831

Card 1/2

L 35896-66

ACC NR: AT6006266

of 3.5-4 hr, whereas two other approaches could be accomplished in 10-12 min. The appropriate approaches should be used in dealing with a) not too perturbed graphs, b) perturbed graphs of small period, and c) perturbed graphs with large periods. Orig. art. has: 16 formulas, 11 figures, and 1 table.

SER CODE: 08, 09/ SUBM DATE: 29Oct65/ORIG REF: 003

Card

2/2 *MB*

L 35896-66 EWT(1) GW/GD

ACC NR: AT6006266

(N)

SOURCE CODE: UR/0000/65/000/000/0121/0135

AUTHOR: Kuzivanov, V. A.; Magnitskaya, Ye. I.; Marakhovskaya, L. A.

ORG: None

TITLE: A method for the processing of recordings of overdamped gravimeters mounted on ships and aircraft

SOURCE: AN SSSR. Institut fiziki Zemli. paratura i metody morskikh gravimetriceskikh nablyudeniy (Apparatus and methods of marine gravimetric observations). Moscow, Izd-vo Nauka, 1965, 121-135

TOPIC TAGS: gravimetry, gravimetric analysis, graphic data processing, RESEARCH SHIP INSTRUMENTATION, GRAVIMETER

ABSTRACT: Gravimeters designated for use on ships and aircraft are often highly damped in order to reduce the influence of the mobile support. Such operating conditions require special methods for data processing. Consequently, the authors establish and discuss at considerable length four possible methods for the determination of the changes in gravimeter readings between the starting and current observations. A thorough analysis of experimental data gathered by the GAL and Gss-2 gravimeters shows that the error of gravimeter readings using all four methods is within  $\pm 1.2$ — $1.8$  mgl. One of the methods requires a processing time

Card 1/2

MAGNITSKAYA, V.S.; SEMKIN, V.I.

The "Folaks" Grate Cooler. Sbor.trud. Novorossiysk  
no.1:62-69 '61. (MIRA 16:2)  
(Cement plants--Equipment and supplies)

MAGNITSKAYA, V.D.

Aleksandr Nikolaevich Bakulev. Vstup. stat'ia S.A.  
Kolesnikova. Bibliografiia sost. V.D.Magnitskoi. Mo-  
skva, 1963. 60 p. (Materialy k bibliografii ucherykh  
SSSR. Seriya meditsinskikh nauk, no.9) (MIRA 17:6)

1. Akademiya nauk SSSR.

ROMANOVSKIY, G.V.; KARGOLOV, I.D.; MAGNITSKAYA, N.S.

Adjusting a system of control-strip networks. Geod.i kart. no.6:  
24-35 Je '61. (MIRA 14:6)

(Aerial photogrammetry)

MAGNITSKAYA, N.A.

Growing perennial floral plants. Biol. v shkole no.4:69-71 J1-Ag  
'63. (MIRA 16:9)

1. Shkola No.112, Kazan'. (Floriculture) (Perennials)

MAGNITSKAYA, L. V.

RABOTNOVA, I. L.; ULUBEKOVA, M. V.; MAGNITSKAYA, L. V.

Dentrification at the expense of bitumen and other hydrocarbons. Mikrobiologiya, Moskva 19 no.5:401-409 Sept-Oct 1950. (CLML 20:1)

1. Moscow State University imeni Lomonosov.

MAGNITOV, Aleksay Ivanovich; BOGOSLOVSKIY, L.D., redaktor; LARIONOV, G.Ye.,  
tekhnicheskii redaktor.

[Excavation in the construction of a hydroelectric power station]  
Zemlianye raboty na stroitel'stve gidroelektrostantsii. Moskva,  
Gos.energ.izd-vo, 1955. 93 p. (V pomoshch' gidroenergeticheskim  
stroikam, no.20). (MLRA 8:5)  
(Excavation) (Hydroelectric power stations)

SOBOLEV, V. P. (Engineer), MAGHITOV, A. I. (Engineer)

SOBOLEV, V. P. (Engineer), Magnitov, A.I. (Engineer)

Excavating Machinery

Practical selection of excavating equipment for  
large hydrotechnical construction work.  
Mekh. trud. rab. 6, No. 5, 1952

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

KULIKOVSKAYA, N.M.; MAGNICHKINA, V.P.; YAKOVLEV, A.I.

Automation of the traction substations of streetcars and trolley  
buses. Sbor.nauch.rab.AKKH no.13:93-104 '62. (MIRA 16:4)  
(Electric substations) (Streetcars) (Trolley buses)

MAGNICHKINA, V. P.: Master Tech Sci (diss) -- "Investigation of electromechanical resonance systems in the remote control of communal-economy installations". Moscow, 1958. 13 pp (Acad Communal Economy in K. D. Panfilov), 150 copies (KL, No 6, 1959, 134)

MAGNICHKINA, V.P.

STRIZHEVSKIY, Iosif Veniaminovich; TOMLYANOVICH, David Karlovich;  
MAGNICHKINA, V.P., redaktor; OTOCHEVA, M.A., redaktor izdatel'stva;  
KOBASHINA, A.D., tekhnicheskij redaktor

[Stray currents and electrical methods of protection from corrosion;  
theory and calculation] Bluzhdaiushchie toki i elektricheskie metody  
zashchity ot korrozii; teoriia i raschet. Moskva, Izd-vo M-va  
kommun.khoz.RSFSSR, 1957. 201 p. (MLRA 10:7)  
(Electrolytic corrosion) (Electric currents, Leakage)

Use of Contactless and (Cont.)	1137	
Small Number of Regulators		106
Ch. 2. Remote Control Systems With Back-signalling		111
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Bibliography		122
AVAILABLE: Library of Congress (TK2861.S5)		
Card 4/4		

JP/mfd  
1-23-59

Use of Contactless and (Cont.) 1137

Ch. 3. Properties, Characteristics and Basic Parameters of Magnetic Elements of Remote Control and Signalling Devices Used in Municipal Services for Controlling a Small Number of Regulators 31

PART 2. BASIC FEATURES AND CHARACTERISTICS OF ELECTROMECHANICAL FREQUENCY DEVICES 56

Ch. 1. Survey of Existing Electromechanical Frequency Relays and Generators 56

Ch. 2. Theoretical Analysis of the Operation of a Contactless Tuning-Fork Relay and Tuning-Fork Generator 67

Ch. 3. Construction and Parameters of Tuning-Fork Relays and Generators Developed by the Academy of Municipal Services 96

PART 3. EXAMPLES OF SYSTEMS WITH CONTACTLESS AND FREQUENCY DEVICES FOR CONTROLLING A SMALL NUMBER OF REGULATORS 106

Ch. 1. Systems of Remote Control Without Back-signalling for Controlling a

Card 3/4

## Use of Contactless and (Cont.) 1137

circuits in automatic and telemechanical systems with contactless equipment. The authors describe the theoretical fundamentals of designing frequency devices and new types of frequency and contactless relays. They give examples of remote control systems using contactless and frequency devices. There are 20 references, of which 13 are Soviet (including 1 translation), and 7 English.

## TABLE OF CONTENTS:

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Ch. 2. Application of the Relay Circuit Theory to the Design of Systems With Contactless Magnetic Elements	13
Card 2/4	

PHASE I BOOK EXPLOITATION 1137

Sinyagina, M.N. and Magnichkina, V.P.

Ispol'zovaniye beskontaktnykh i chastotnykh elementov v kommunal'nom khozyaystve  
(Use of Contactless and Frequency Devices in Municipal Services) Moscow, Izd-  
vo Min-va kommunal'nogo khozyaystva RSFSR, 1957. 120 p. 1,500 copies printed.

Sponsoring Agency: Akademiya kommunal'nogo khozyaystva.

Ed. (Title page): Karlinskaya, M.I.; Ed. (Inside book): Bashkirov, L.G.; Tech.  
Ed.: Konyashina, A.D.

PURPOSE: This book is intended for scientists and engineers working in municipal services.

COVERAGE: The authors describe contactless devices of remote control and signaling systems for controlling a small number of regulators. They also describe certain types of contactless and frequency devices which may be used in automatic control, remote control and signalling circuits of municipal systems. The book explains the basic theoretical principles of the application of relay

Card 1/4

MAGNICHKINA, V.P.

BELKIN, Y a.G., kandidat tekhnicheskikh nauk; KARLINSKAYA, M.I.; MOROZ, V.A.; KAPLANSKIY, S.A., inzhener; MAGNICHKINA, V.P., inzhener; SIMYAGINA, M.N., inzhener; SOKOL'SKIY, I.F., redaktor; KONYASHINA, A., tekhnicheskiy redaktor.

[Principal factors in dispatching and automation of city water supply systems] Osnovnye polozheniia po dispetcherizatsii i avtomatizatsii sistem gorodskogo vodosnabzheniia. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1955. 38 p. (MLRA 9:1)

1. Akademiya kommunal'nogo khoziaistva.  
(Water supply engineering)

KARLINSKAYA, M., kandidat tekhnicheskikh nauk, laureat Stalinskoy premii; MAGNICHKINA, V., nauchnyy sotrudnik; YEFREMOV, E.A.; NEKRASOV, K.A.; GAVRILOV, M.A., doktor tekhnicheskikh nauk, professor, consultant.

Time-impulse system of pressure telemetry for liquids and gases. Zhil.  
-kom. khoz. 3 no.3:5-8 Mr '53. (MLRA 6:5)

1. Akademiya kommunal'nogo khozyaystva, Laboratoriya avtomatiki (for Karlinskaya, Magnichkina, Efremov, Nekrasov). (Pressure gages)

M.  
MAGNER, L., kand.tekhn.nauk

Calculation for strength of the rolling lashings for deck cargo.  
Mor.flot 21 no.1:6-8 Ja '61. (MIRA 14:6)

1. Odesskoye vyssheye inzhenernoye morskoye uchilishche.  
(Ships--Equipment and supplies)

MAGNER, Leonid Mironovich, kand.tekhn.nauk; KIRIN, Yuriy Pavlovich;  
LEKHAN, Yuriy Kondrat'yevich; STEPANENKOV, Roal'd Vasil'yevich;  
GRISHIN, Yu.A., red.; SERKO, G.S., red.izd-va; TIKHONOVA, Ye.A.,  
tekhn.red.

[Problems on seamanship; manual for higher schools of marine  
engineering] Zadachnik po morskoi praktike; uchebnoe posobie  
dlia vysshikh inzhenernykh morskikh uchilishch. Moskva, Izd-vo  
"Morskoi transport," 1960. 218 p. (MIRA 13:9)  
(Seamanship)

L 10207-66

ACC NR: AP5028511

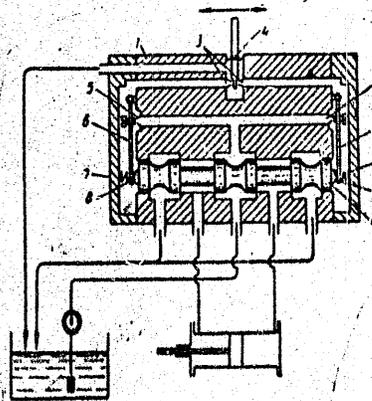


Fig. 1. 1 - Housing; 2 - piston;  
3 - two nozzles; 4 - lever-baffle;  
5 - nozzle in feedback line;  
6 - lever-baffle in feedback line;  
7 - springs; 8 - projections;  
9 - nozzle in feedback line.

Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 29Dec63

Card 2/2

I. 10207-66

ACC NR: AP5028511

SOURCE CODE: UR/0286/65/000/020/0096/0096

AUTHORS: Gorokhov, V. M.; Grishakin, V. I.; Magnor, E. D.

33  
B

ORG: none

TITLE: A hydraulic two-stage amplifier. Class 42, No. 175744 [announced by Experimental Construction Bureau "Teploavtomat" (Opytno-konstruktorskoye byuro "teploavtomat")]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 96

TOPIC TAGS: hydraulic pressure amplifier, negative feedback, convergent nozzle

ABSTRACT: This Author Certificate presents a two-stage hydraulic amplifier. The amplifier contains a housing, two covers, a piston, two nozzles, a control lever-baffle, two nozzles in a negative feedback line, and two lever-baffles for the negative feedback line. In order to increase the negative feedback coefficient and to ensure the possibility of tuning under pressure, the amplifier has two cylindrical springs which rest against the covers, and lever-baffles which press them against projections on the ends of the piston (see Fig. 1). The lever-baffles are freely supported on shafts. The axes of the feedback nozzles are opposed.

Card 1/2

UDC: 681.142--522

MAGNAT.

The wage system in heavy industry of Austria. Biul.nauch.inform.:  
trud i zar.plata no.12:72-77 '59. (MIRA 13:10)  
(Austria--Wages)

L 6934-66

ACCESSION NR: AT5007326

errors resulting from considering only the first few terms of the power series.  
Orig. art. has: 30 formulas.

ASSOCIATION: Kafedra astronomii Tbilisskogo gosudarstvennogo universiteta (Astronomy department, Tiflis state university)

SUBMITTED: 00Jul63

ENCL: 00

SUB CODE: SV

NO REF SOV: 012

OTHER: 001

  
Card 2/2

L 6934-66 FSS-2/EWT(1)/EWP(m)/FS(v)-3/EEG(k)-2/EWA(d) TT/GW

ACCESSION NR: AT5007326

8/2501/64/000/030/0143/0151

AUTHOR: Magnaradze, N. G.

36  
35  
BT1

TITLE: The motion of a variable-mass body in space during flight to Venus

SOURCE: Abastumani. Astrofizicheskaya observatoriya. Byulleten', no. 30, 1964, 143-151

TOPIC TAGS: space flight, interplanetary flight, venus flight, restricted three body problem, celestial mechanics, astrodynamics;2

ABSTRACT: The motion of a body of variable mass moving toward Venus is studied, taking into account the gravitational effects of the sun, earth, Venus and Jupiter. A generalization of a scheme proposed by J. F. Staffenson for the restricted three-body problem is used. It is assumed that the mass of the body is an analytical function of time and has no appreciable gravitational effect on the other bodies considered; and that Jupiter moves in a circular orbit. Power series with respect to time are constructed for the coordinates of the body, and their convergence for a sufficiently short time interval for any finite initial coordinates and velocity components of the body is demonstrated. An evaluation is made of the

Card 1/2

MAGNARADZE, N.G.

Restricted spatial problem of three bodies when the mass of  
the attracted body is a given function of time. Eiuil.Abast.-  
astrofiz.obser. no.26:215-224 '61. (MIRA 15:3)  
(Problem of three bodies)

MAGNARADZE, N.G.

A special case of the restricted problem of three bodies when  
the attracted body has a variable mass. Biul.Abast.astrofiz.-  
obs. no.26:191-214 '61. (MIRA 15:3)  
(Problem of three bodies)

S/035/60/000/012/001/019  
AG01/AG01

On the Restricted Three-Body Problem When the Body Attracted Varies Its Mass

t, proves their convergence within some interval, and obtains recurrent relations for the coefficients in expansions of unknown quantities. There are 8 references.

N. S. Yakhontova

Translator's note: This is the full translation of the original Russian abstract.

✓B

Card 2/2

S/035/60/000/012/001/010  
A001/A001

3,1400

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 12,  
p. 8, # 11987

AUTHOR: Magnaradze, N. G.

TITLE: On the Restricted Three-Body Problem When the Body Attracted Varies  
Its Mass

PERIODICAL: Byul. Abastumansk. astrofiz. observ., 1959, No. 24, pp. 145-159  
(English summary) /B

TEXT: The author analyzes the plane restricted three-body problem in the case when two bodies  $M_1$  and  $M_2$  with constant masses revolve around their common gravity center with the equal angular velocities and attract, according to Newton's law, a third body  $M$  with variable mass  $m$ . The latter is a given function of time and is so negligible that body  $M$  does not affect bodies  $M_1$  and  $M_2$ . The author studies the motion of a point with respect to the movable coordinate system one of the axes of which passes always through points  $M_1$  and  $M_2$ . He shows that the coordinates of the moving point can be expressed in terms of power series in time

Card 1/2

MAGNARADZE, N.G.

Comments on the problem of the motion of a material point under  
the action of a force depending on time. Biul.Abast.astrofiz.  
obs. no.22:139-144 '58. (MIRA 11:12)  
(Motion)

30694. MAGMARADZE, L. G.

Ob odnom obobshchenii. Teoremy I. I. Privadova i yego primeneniya k nekotorym lineyym granichnym zadacham teorii funktsiy i singulyarnym integral'nyim uravneniyam. Doklady akad. nauk. SSSR, Novaya seriya, T. LXVIII, No. 4, 1949, c. 657-60. -- Bibliogr: c.660.

Translation - A Generalization of the I. I. Pavlov Theorem and Its Application to Some Linear Boundary Problems in the Theory of Functions and to Singular Integral Equations,

Razmadze Tbilisi Inst. of Mathematics, AS GeoSSR



MAGNARADZE, L.

Magnaradze, L. - "Direct and reverse limit theorems for double integral transformations",  
Soobshch. Akad. nauk Gruz. SSR, 1948, Nos. 9-10, p. 527-32.

SO: U-411, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949).

MAGNARADZE, Leo.

Tangential derivative of a logarithmic potential of a simple layer.  
Sob. AN Gruz. SSR 8 no.9/10:591-596 '47. (MIRA 9:7)

1. Akademiya nauk Gruzinskoy SSR, Tbilisskiy matematicheskiy  
institut imeni A.M. Razmadze. Predstavleno akademikom N.I. Muskhelishvili.  
(Potential, Theory of) (Integral equations)

MAGNARADZE, Leo.

A Riemann-Hilbert linear boundary problem. Soob.AN Gruz.SSR 8  
no.9/10:585-590 '47. (MIRA 9:7)

1.Akademiya nauk Gruzinskey SSR, Tbilisskiy matematicheskiy  
institut imeni A.M.Razmadze. Predstavleno akademikom N.I.Muskhe-  
lishvili.  
(Differential equations) (Integral equations)

**MAGNARADZE, Leo.**

A generalization of the Plemelj-Privalov theorem. *Sob. AN Gruz. SSR* 8  
no. 8:509-516 '47. (MIRA 9:7)

1. Akademiya nauk Gruzinskoy SSR, Tbilisskiy matematicheskiy institut  
imeni A.M. Razmadze.  
(Functions)

MAGNARADZE, Leo.

Abelian theorem for double Laplace transforms. Soeb.AN Gruz. SSR 8  
no.3:113-119 '47. (MLRA 9:7)

1.Akademiya nauk Gruzinskey SSR, Tbilisskiy matematicheskiy institut  
imeni A.M.Razmadze. Predstavleno akademikom N.I.Muskhelishvili.  
(Laplace transformation)

2000

Mikhaelishvili, L. On the asymptotic representation of solutions of certain linear partial differential equations of normal type. *Izv. Akad. Nauk Gruzinsk. SSR (Soviet Acad. Sci. Georgian SSR)* 8: 617-616 (1944). (Georgian and Russian). MF 146107

This paper deals with the asymptotic difference (for large values of  $\lambda$ ) between the solution of Cauchy's problem for the equation

$$\Delta u + (\rho(x, y, z, \lambda) - \lambda)u = 0$$

with the condition  $u|_{z=0} = \phi(x, y, z)$ ,  $M_0 u|_{z=0} = \psi(x, y, \lambda)$ , and the solution of the same problem for the equation

$$\Delta u + \rho u + N u = 0$$

(in estimating the difference one is made of a certain integral transform representation of the solution. M. Golomb.

Journal of Mathematical Analysis and Applications, 1946, Vol. 9, No. 3

SMW

Wladimir I. Lio. On a general representation of regular solutions of certain partial differential equations with imaginary characteristics. Bull. Acad. Sci. Georgian SSR [Sobremenn. Akad. Nauk Gruzinskoi SSR] 5, 365-372 (1944). (Georgian and Russian) [MF 4604]

If in the equation of the elliptic type

$$(1) \quad (\lambda_{xx} + \lambda_{yy} + \lambda_{zz} + \lambda)u(x, y, z) = 0,$$

where  $\lambda$  is a constant and  $u(x, y, z)$  is regular analytic in the neighborhood of some point  $(x_0, y_0, z_0)$ , the substitution  $t = iz$  is made. It becomes an equation of hyperbolic type with complex-valued coefficients. In the usual way the Cauchy problem for the latter equation is reduced to an integral equation of Volterra's type, and if the above substitution is reversed, a Volterra equation in the complex plane is obtained whose solutions are the solutions of (1) which are regular in the neighborhood of the point  $(x_0, y_0, z_0)$ . The author claims that this method can be successfully applied to differential equations of elliptic type of higher order and with any number of independent variables. No proofs nor references are offered. J. Golemb (Lafayette, Ind.)

Soviet Mathematical Reviews, 1948, Vol. 2, No. 3

Scanned by [handwritten initials]

Magvaridze, I.M. On the effective solution of the problem

of Cauchy for second-order partial differential equations

of hyperbolic type. Izv. Akad. Nauk Georgian SSR

[Sovetskaya Akad. Nauk, Gruzinskoy SSR], 2(4): 45

(1961), (Georgian and Russian), (M) 1960

The solution of Cauchy's problem for the equation

$$\Delta u + a(x,y)u_x + b(x,y)u_y = 0$$

is constructed with the conditions

$$u|_{\Sigma} = \varphi(x,y), \quad u|_{\Sigma'} = \psi(x,y)$$

can be obtained as a certain integral transform of the solu-

tion of the same problem for the simpler equation

$$\Delta u = 0$$

Several such relationships are pointed out in this paper.

M. G. G. (Leningrad, U.S.S.R.)

Soviet Mathematics: Anal. Appl., 1968, Vol. 2, No. 3

*Handwritten signature*

MAGNARADZE, L.G.

715. Баруладзе Темия Вал-  
динович. Асимптотическое поведе-  
ние фундаментальных функций коле-  
бания упругого тела. 1985. 114 с.  
Защ. 1956, 18.2.

716. Веква Илья Несторович.  
Распространение упругих колебаний в бе-  
скопечном слое. 1937.

717. Габладзе Николай Алек-  
сандрович. Исследования комплексных и ги-  
перболических чисел, к теории примомор-  
физических группировок. Кутаиси. 1953. 66 с.  
(Кутаисский гос. ин-ст.). Тр. Кут. гос. ин-ста.  
т. 14. Сообщ. АН ГССР, т. 15, № 10.  
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